

YSFA100-40-XX-K

Fixed Attenuator, DC-40 GHz, 100 W, 2.92 mm Connector

Key Features

- DC to 40 GHz Broadband Coverage
- 100 W Average / 1 kW Peak Power
- Low VSWR $\leq 1.40:1$
- Rugged Thermal Design
- Wide Temperature Range

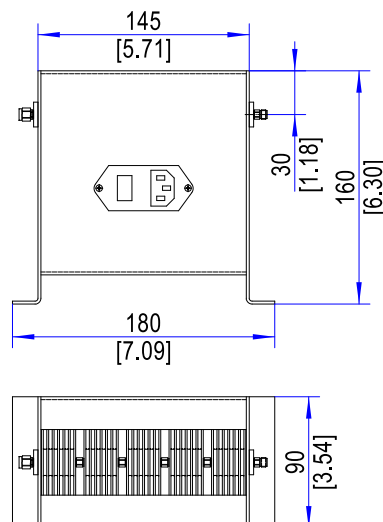
Applications

- RF And Microwave Test Systems
- Millimeter-Wave Communication
- Signal Conditioning In RF Chains
- Instrumentation Protection
- Aerospace And Defense Systems

Electrical Specifications					
1	Nominal Impedance	50 Ω			
2	Average Power ¹	100 W @ 25°C			
3	Peak Power	1 KW (pulse width: 5 μ s, duty cycle: 10%)			
4	Frequency Range	DC-40 GHz			
5	VSWR	$\leq 1.40:1$			
6	Attenuation (dB)	20	30	40	50
7	Accuracy (dB)	± 4.0	± 4.0	± 4.0	± 4.0
Environmental Specifications					
1	Operating Temperature	-55°C to +125°C			
Mechanical Specifications					
1	Connectors	2.92 mm Male to Female Other configurations available upon request			
2	Body Material	Connector: Passivated Stainless Steel Heat Sink: Black Anodized Aluminum			
3	Insulation	PEI			
4	Inner Conductor	Gold Plated Brass/ Beryllium Brass			
5	Weight	900 g			

Note1: Power derates linearly to 10 W at +125°C. Refer to the power derating curve for details.

Outline Drawing (Units: mm/[inch], Tolerance: ± 0.5 mm)



Ordering Information:Model: **YSFA100-40-XX-K**

YY = Attenuation Value in dB

Example: 40 GHz, 20 dB→**YSFA100-40-20-K**